

# Converting Colors

$Yxy(73.4661, 0.3252, 0.4222)$

Have a look what the booklet for  
Yxy(73.4661, 0.3252, 0.4222)  
contains.

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# Color

**Yxy(73.3859, 0.3251, 0.4219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9ED9F
RGB	185, 237, 159
RGB Percent	73%, 93%, 62%
CMY	0.2746, 0.0706, 0.3763
CMYK	0.22, 0.00, 0.33, 0.07
HSL	100°, 68%, 78%
HSV	100°, 33%, 93%
XYZ	56.5484, 73.3859, 44.0072
YIQ	212.5600, -5.9540, -35.2820

# Conversions

## Conversions Part 2

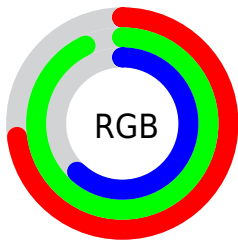
Format	Color
<a href="#">RYB</a>	<a href="#">159, 237, 211</a>
Decimal	<a href="#">12184991</a>
CIELab	<a href="#">88.63, -30.47, 32.53</a>
CIELCh	<a href="#">89, 44.568, 133.127</a>
Yxy	<a href="#">73.3859, 0.3251, 0.4219</a>
Android (android.graphics.Color)	<a href="#">4290375071 (0xFFB9ED9F)</a>
YUV	<a href="#">212.5600, -26.4051, -24.1701</a>
Hunter-Lab	<a href="#">85.6656, -32.0858, 29.5081</a>

# Details

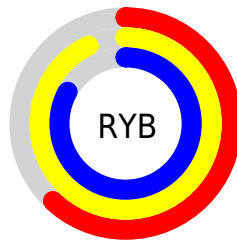
The Yxy color **73.3859, 0.3251, 0.4219** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.7898, 0.2946, 0.2418**, and the grayscale version is **66.4140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2523, 0.3284, 0.3702**, and **38.8551, 0.3257, 0.4458** is the 20% darker color. If you saturate the color by 10%, you get **70.7843, 0.3277, 0.4541**, and if you desaturate by 10%, it is **76.3705, 0.3218, 0.3910**.

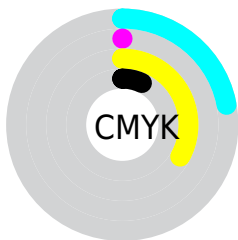
# Distribution



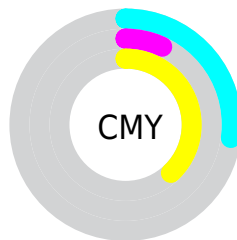
- Red (73%)
- Green (93%)
- Blue (62%)



- Red (62%)
- Yellow (93%)
- Blue (83%)



- Cyan (22%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)




- Cyan (27%)
- Magenta (7%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3859, 0.3251, 0.4219 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 73.3859, 0.3251, 0.4219 by changing the saturation by 10% instead.





 73.3859, 0.3251,  
0.4219


 73.3859, 0.3251,  
0.4219


472.3512, 0.3207,  
0.3770

 54.2916, 0.3257,  
0.4326


 124.0249, 0.3239,  
0.4060

 38.8348, 0.3263,  
0.4459


 156.3383, 0.3233,  
0.3999

 26.6312, 0.3266,  
0.4631


193.8269, 0.3228,  
0.3947

 17.2965, 0.3263,  
0.4859

236.8751, 0.3223,  
0.3902

 10.4461, 0.3245,  
0.5174

285.8672, 0.3218,  
0.3863

 5.6957, 0.3190,  
0.5630


341.1877, 0.3214,

 2.6610, 0.3240,


0.3828


0.6760


403.2209, 0.3210,  
0.3797


 0.9574, 0.1466,  
0.8534


 0.0000, 0.0000,  
0.0000

 73.3859, 0.3251,  
0.4219


 73.3859, 0.3251,  
0.4219


 70.7843, 0.3277,  
0.4541


 76.3705, 0.3218,  
0.3910


 68.5401, 0.3292,  
0.4863

 79.7437, 0.3179,  
0.3623

 66.6388, 0.3292,  
0.5169

 83.5231, 0.3139,  
0.3361

 65.0615, 0.3277,  
0.5438

 87.7219, 0.3098,  
0.3125

■ 63.7866, 0.3244,  
0.5653

■ 89.0530, 0.3135,  
0.3117

■ 62.7896, 0.3198,  
0.5802

■ 62.2273, 0.3161,  
0.5872

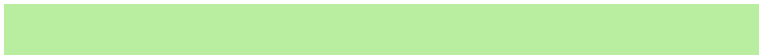
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3859, 0.3755, 0.4229



73.3859, 0.3251, 0.4219



73.3859, 0.2738, 0.3881

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3859, 0.3251, 0.4219



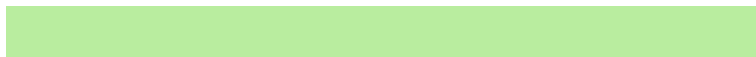
73.3859, 0.2217, 0.2545



73.3859, 0.3953, 0.3157

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.3859, 0.3251, 0.4219



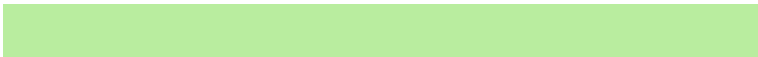
44.7898, 0.2946, 0.2418

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3859, 0.3475, 0.2788



73.3859, 0.3251, 0.4219



73.3859, 0.2481, 0.2442

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3859, 0.3251, 0.4219



73.3859, 0.2171, 0.2859



73.3859, 0.2930, 0.2534

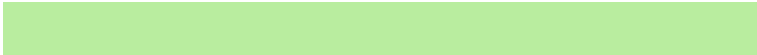


73.3859, 0.4189, 0.3576



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3859, 0.3251, 0.4219



73.3859, 0.2460, 0.3534



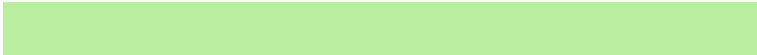
73.3859, 0.2930, 0.2534



73.3859, 0.3813, 0.3025

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.3891, 0.3251, 0.4219



95.3787, 0.3168, 0.3545



67.1104, 0.3707, 0.3857



20.2844, 0.3174, 0.3583



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

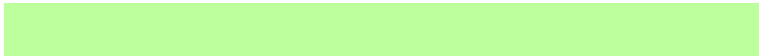


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3891, 0.3251, 0.4219



84.6755, 0.3268, 0.4420



70.9293, 0.3009, 0.4101



17.1054, 0.3166, 0.3530



34.0352, 0.3172, 0.5864



2.7234, 0.3277, 0.5780



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.7898, 0.2946, 0.2418



46.3646, 0.2901, 0.2243



48.2021, 0.3275, 0.2597



15.0483, 0.3085, 0.3054



7.3920, 0.2387, 0.1088

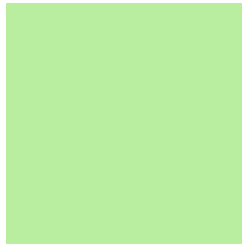


0.6326, 0.2502, 0.1152



# Previews

## White Background



This preview shows how the Yxy color 73.3859, 0.3251, 0.4219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3859, 0.3251, 0.4219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

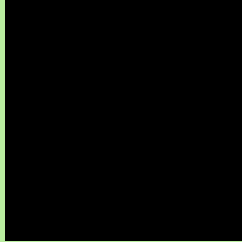
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.3859, 0.3251, 0.4219**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3859, 0.3251, 0.4219.

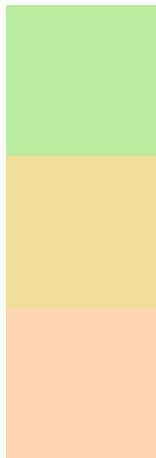


This preview shows how white text looks on a background with the Yxy color 73.3859, 0.3251, 0.4219.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.3859, 0.3251, 0.4219

### Protanopia

73.0677, 0.3735, 0.4025

### Deuteranopia

72.5275, 0.3708, 0.3673



## Tritanopia

72.9301, 0.2832, 0.3092

# Trichromacy



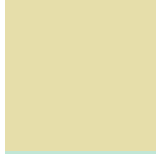
## Original Color

73.3859, 0.3251, 0.4219



## Protanomaly

72.5204, 0.3551, 0.4095



## Deuteranomaly

71.9678, 0.3541, 0.3861



## Tritanomaly

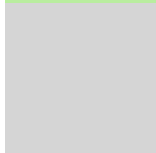
72.7352, 0.2985, 0.3484

# Monochromacy



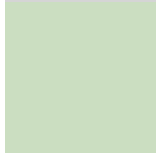
## Original Color

73.3859, 0.3251, 0.4219



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.7893, 0.3182, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3859, 0.3251, 0.4219 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(185, 237, 159)` looks like.

```
.text, #text, p{  
    color:rgb(185, 237, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(185, 237, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 237, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3859, 0.3251, 0.4219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 237, 159) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(185, 237, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(185, 237, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 237, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 237, 159);  
box-shadow:4px 4px 4px 4px rgb(185, 237,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3859, 0.3251, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 237, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(185,  
237, 159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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